

Material: PN L 17 HMF

Standard Specification for High Temperature Cast Steel

Group: Ferrous Mild Steel Alloys

Sub Group: PN L 17 HMF High Temperature Cast Steel

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.150 - 0.200
Silicon	Si %	0.300 - 0.600
Manganese	Mn %	0.500 - 0.800
Phosphorus	P %	0.030 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	1.200 - 1.500
Molybdenum	Mo %	0.900 - 1.100
Vanadium	V %	0.200 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	590 - 780
Yield Strength in Mpa	440 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HB	165 - 242
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
422744.0000	CSN	Czech Republic	Casting
1.7706	EN	European Union	Casting
1.7706	DIN	Germany	Casting
G 17 CrMoV 5-10	AFNOR NF	France	Casting
G 17 CrMoV 5-10	UNI	Italy	Casting
J21610	UNS	USA	Casting
A356 9	ASTM	USA	Casting

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